Network Analysis of Libraries Used by Faculty, Staff, and APs:

Arranged By Division

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Methods

• Data mined from the survey sent to all faculty & staff in Spring 2006 were used to create social network maps of UIUC Libraries

• Responses to “Indicate your primary library/ (ies)” were used to create network maps
  – Respondents could choose as many libraries as they pleased

• Reveals connections between departmental libraries from the users’ perspective
Fig. 1. Network map of connections among all UIUC libraries. Lines were drawn when 5 or more respondents reported using both of the libraries.
Some Individual Faculty

Pink – Spanish, Italian & Portuguese, Associate Professor
Indigo - Physics, Professor
Green - Agricultural Science (ACES), Academic Professional
Light Blue - Cinema Studies, Assistant Professor
Major connections - 20 or more respondents.
Note

Libraries with less than 5 connections to any other library are *not* displayed. These are:

– Fire Services Institute (affiliate)
– Lincoln Room
– Sousa Archives
– University High School Library
– Waste Management (affiliate)
Area Studies Division
All Libraries in the Area Studies Division
Slavic & East European
Arts & Humanities Division
All Libraries in the Arts & Humanities Division
Art & Architecture
Classics
English
History, Philosophy & Newspaper
Music
Central Public Services
All Libraries in the Central Public Services Division
For Central Reference, Main Stacks & Undergraduate Library, please refer to the overall graph for the division (above).

Because these were connected to nearly every other library, they were not graphed separately.
Government Documents
Life Sciences Division
All Libraries in the Life Sciences Division
ACES (Agricultural, Consumer & Environmental Sciences)
Applied Health Sciences
(formerly known as “Applied Life Studies”)
Veterinary Medicine
Physical Sciences & Engineering Division
All Libraries in the Physical Sciences & Engineering Division
Chemistry
Geology
Mathematics
Social Sciences Division
City Planning & Landscape Architecture
(part of ACES as of May 2008)
Education & Social Science
Labor & Industrial Relations
(virtual library starting Sept 2007)
Library Science
(virtual library starting May 2009)
Special Collections
All Libraries in the Special Collections Division
Illinois Historical Survey
Newspaper
(part of History Philosophy & Newspaper Library as of Aug 2005)
Rare Books & Manuscripts
Affiliates
Health Sciences
(affiliate; administered by University of Illinois Chicago)
Natural History Survey
(affiliate; part of Life Science Division)
Note

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– Waste Management (affiliate)
Analysis
<table>
<thead>
<tr>
<th>Status</th>
<th>2005-06 Total Head Count</th>
<th>Number of Respondents</th>
<th>Estimated Response Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>862</td>
<td>181</td>
<td>21.0%</td>
</tr>
<tr>
<td>Assoc Professors</td>
<td>549</td>
<td>118</td>
<td>21.5%</td>
</tr>
<tr>
<td>Asst Professors</td>
<td>545</td>
<td>114</td>
<td>20.9%</td>
</tr>
<tr>
<td>Visiting Faculty</td>
<td>172</td>
<td>37</td>
<td>21.5%</td>
</tr>
<tr>
<td>Academic Professional</td>
<td>2133</td>
<td>647</td>
<td>30.3%</td>
</tr>
<tr>
<td>Other (Postdocs, GAs, Staff)</td>
<td>8763</td>
<td>253</td>
<td>2.9%</td>
</tr>
<tr>
<td>Headcount Staff/All funds</td>
<td>13103*</td>
<td>1350</td>
<td>10.3%</td>
</tr>
</tbody>
</table>

* Distributed by a campus-mediated “massmail,” the survey was sent to 12,399 (not 13103) individuals because the headcount at the time was less than the annual maximum. The response rate was therefore slightly higher than shown in this chart based on DMI figures.
Cluster analysis of all libraries confirms some patterns in the network maps, but is of limited utility in identifying potential mergers.